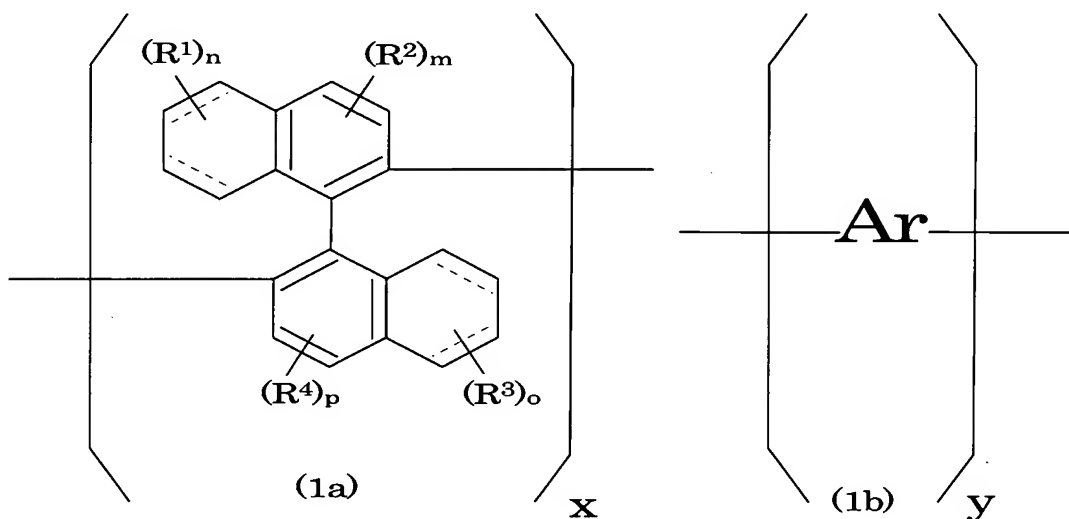


## ABSTRACT

A novel electroluminescence polymer offers stable EL characteristics: it forms little aggregates and is less susceptible to morphological changes during and after film formation. The EL polymer comprises a binaphthyl derivative structural unit represented by the following formula (1a) and an aryl structural unit represented by the following formula (1b):



wherein Ar is an aryl structural unit that can form an electroluminescent  $\pi$ -conjugated polymer;  $R^1$ ,  $R^2$ ,  $R^3$ , and  $R^4$  are each independently a different functional group; the double bonds of the binaphthyl structural unit indicated by dashed lines and solid lines are each an unsaturated double bond or a saturated single bond; m and p are each independently an integer of 0 to 2; n and o are each

independently an integer of 0 to 8;  $x$  is the molar fraction of the binaphthyl derivative structural units; and  $y$  is the molar fraction of the aryl structural units.